MCR3U   **Unit 1 Quiz #4 (1.5B/1.6A)**   **Name:**_____

1. Solve. (Choose an appropriate/efficient method). Exact answers only.

a) $9x^2 - 3x - 2 = 0$ b) $-(x-1)^2 = -9$ c) $-8x = 4x^2 - 1$

2. **Without solving**, how many zeros does this quadratic have? $2x^2 - 6x = -\dfrac{18}{4}$

3.   Algebraically determine an equation, in factored form, of the parabola that has x-intercepts $2 \pm 5\sqrt{2}$ and passes through the point $(-2, -17)$.